RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/516,779_
Source: _PCT_
Date Processed by STIC: _12-17-04_

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PCT

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RAW SEQUENCE LISTING                    DATE: 12/17/2004
PATENT APPLICATION:  US/10/516,779      TIME: 14:52:05

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 3 <110> APPLICANT: HER MAJESTY IN RIGHT OF CANADA AS REPRESENTED BY THE
 4       MINISTER OF AGRICULTURE AND AGRI-FOOD CANADA
 5       ROZWADOWSKI, Kevin L.
 6       LYDIATE, Derek J.
 8 <120> TITLE OF INVENTION: RETRONS FOR GENE TARGETING
10 <130> FILE REFERENCE: 4810-69922-01
12 <140> CURRENT APPLICATION NUMBER: US/10/516,779
13 <141> CURRENT FILING DATE: 2004-12-03
15 <150> PRIOR APPLICATION NUMBER: US 60/386,640
16 <151> PRIOR FILING DATE: 2002-06-05
18 <160> NUMBER OF SEQ ID NOS: 6
20 <170> SOFTWARE: PatentIn version 3.2
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 1023
25 <212> TYPE: DNA
26 <213> ORGANISM: Artificial Sequence
28 <220> FEATURE:
29 <223> OTHER INFORMATION: NLS-RT Sequence
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34 catgacatgt ctaaggcgac tcgcatatct gttgaaacac ttcggttgtt aatctataca     180
35 gctgattttc gctataggat ctacactgta gaaagaaag gcccagagaa gagaatgaga     240
36 accatttacc aaccttctcg agaacttaaa gccttacaag gatgggttct acgtaacatt     300
37 ttagataaac tgtcgtcatc tcctttttct attggatttg aaaagcacca atctattttg     360
38 aataatgcta ccccgcatat tggggcaaac tttatactga atattgattt ggaggatttt     420
39 ttcccaagtt taactgctaa caaagttttt ggagtgttcc attctcttgg ttataatcga     480
40 ctaatatctt cagttttgac aaaaatatgt tgttataaaa atctgctacc acaaggtgct     540
41 ccatcatcac ctaaattagc taatctaata tgttctaaac ttgattatcg tattcagggt     600
42 tatgcaggta gtcggggctt gatatatacg agatatgccg atgatctcac cttatctgca     660
43 cagtctatga aaaaggttgt taaagcacgt gattttttat tttctataat cccaagtgaa     720
44 ggattggtta ttaactcaaa aaaaacttgt attagtgggc ctcgtagtca gaggaaagtt     780
45 acaggtttag ttatttcaca agagaaagtt gggataggta gagaaaaata taaagaaatt     840
46 agagcaaaga tacatcatat attttgcggt aagtcttctg agatagaaca cgttagggga     900
47 tggttgtcat ttattttaag tgtggattca aaaagccata ggagattaat aacttatatt     960
48 agcaaattag aaaaaaaata tggaagaac cctttaaata aagcgaagac ctaataactg    1020
49 cag                                                                 1023
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53 <211> LENGTH: 1106
54 <212> TYPE: DNA
55 <213> ORGANISM: Artificial Sequence
57 <220> FEATURE:
58 <223> OTHER INFORMATION: Resynthesized Version of NLS-RT
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63 tctgctgagt acctcaacac cttcaggctc aggaacctcg gactccctgt tatgaacaac   180
64 ctccacgata tgtctaaggc taccaggatc tctgttgaga ccctcaggct cctcatctac   240
65 accgctgatt tcaggtacag gatctacacc gttgagaaga agggacctga gaagaggatg   300
66 aggaccatct accaaccttc tagggaactt aaggctctcc aaggatgggt tctcaggaac   360
67 atcctcgata agctctcttc ttctcctttc tctatcggat tcgagaagca ccaatctatc   420
68 ctcaacaacg ctacccctca catcggagct aacttcatcc tcaacatcga tcttgaagat   480
69 ttcttccctt ctctcaccgc taacaaggtt ttcggagttt tccactctct cggatacaac   540
70 aggctcatct cttctgttct caccaagatc tgctgctaca agaacctcct ccctcaaggt   600
71 gctccttctt ctcctaagct cgctaacctc atctgctcta agctcgatta cagaattcaa   660
72 ggatacgctg gatctagggg actcatctac accaggtacg ctgatgatct caccctctct   720
73 gctcaatcta tgaagaaggt tgttaaggct agggatttcc tcttctctat catcccttct   780
74 gagggactcg ttatcaactc taagaagacc tgcatctctg gacctaggtc tcaaaggaag   840
75 gttaccggac tcgttatctc tcaagagaag gttggaatcg gaagggagaa gtacaaggag   900
76 atcagggcta gatccacca catcttctgc ggaaagtctt ctgagatcga gcacgttagg   960
77 ggatggctct ctttcatcct ctctgttgat tctaagtctc acaggaggct catcacctac   1020
78 atctctaagc ttgaaaagaa gtacggaaag aaccctctca caaggctaa gacctaatga   1080
79 gcggccgcac tagtgatatc tctaga   1106
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84 <212> TYPE: DNA
85 <213> ORGANISM: Artificial Sequence
87 <220> FEATURE:
88 <223> OTHER INFORMATION: STEM3 Sequence
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93 ttggaacgga gagcatcgtc tagacaacga tatctgatgc tctccgagcc aaccaggaaa   180
94 cccgtttttt ctgacgtaag ggtgcgcagc cgctgttggc gtggccaatg cggccgc   237
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98 <211> LENGTH: 268
99 <212> TYPE: DNA
100 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: STOP-stem Sequence
105 <400> SEQUENCE: 4
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108 ttggaacgga gagcatcgtc tagaggatcc gggtcgctcg ctgcgtcgct gcggaattcg   180
109 atatctgatg ctctccgagc caaccaggaa acccgttttt tctgacgtaa gggtgcgcag   240
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114 <211> LENGTH: 221
115 <212> TYPE: DNA
116 <213> ORGANISM: Artificial Sequence
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119 <223> OTHER INFORMATION: 3'-recruitment Sequence

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Input Set : **A:\332730.txt**
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124 cattaaggtc aacctctgga tgttgtttcg gcatcctgca ttgaatctga gttactgtct     180
125 gttttccttg ttggaacgga gagcatcgcg gccgcctgca g                        221
128 <210> SEQ ID NO: 6
129 <211> LENGTH: 54
130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: Cloned NLS Sequence
136 <400> SEQUENCE: 6
137 ggatccaaaa aaatggctcc taagaagaag agaaaggttg gaggaggacc cggg            54
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VERIFICATION SUMMARY   DATE: 12/17/2004
PATENT APPLICATION: **US/10/516,779**   TIME: 14:52:06

Input Set : **A:\332730.txt**
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L:12 M:270 C: Current Application Number differs, Replaced Current Application Number
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date